```
Query:  28   YQVLYQLNPGALGVNLVVEEMETKVKHVIKQV--ECMDDHYASQALEELMPLLKLRHAHI  85
Sbjct:  1    YELLEVLGKGAFGKVYLARDKKTGKLVAIKVIKKEKLKKKKRERILREIKILKKLDHPNI  60

Query:  86   SVYQELFITWNGEISSLYLCLVMEF-NELSFQEVIEDKRKAKKIIDSEWMQNVLGQVLDA  144
Sbjct:  61   VKLYDVFEDKD------KLYLVMEYCEGGDLFDLL----KKRGRLSEDEARFYARQILSA  110

Query:  145  LEYLHHLDIIHRNLKPSNIILISSDHCKLQDLSSNVLMTDKAKWNIRAEEDPFRKSWMAP  204
Sbjct:  111  LEYLHSNGIIHRDLKPENILLDSDGHVKLADFGLAKQLDSGGTLLTTFVGTPE---YMAP  167

Query:  205  EALNF-SFSQKSDIWSLGCIILDMTSCS--FMDGTEAMHLRKSLRQSPGSLKAVLKTMEE  261
Sbjct:  168  EVLLGKGYGKAVDIWSLGVILYELLTGKPPFPGDDQLDALFKKIGKPP-------PPFPP  220

Query:  262  KQIPDVETFRNLLPLMLQIDPSDRITIKDVVHITFL  297
Sbjct:  221  PEWKISPEAKDLIKKLLVKDPEKRLTAEEALEHPFF  256
```

FIG. 1

```
Query:  28   YQVLYQLNPGALGVNLVVEEMETKVKHVIKQVECMDDHYASQALEELMPLLKLRHAHISV  87
Sbjct:  1    YELGEKLGSGSFGKVYKGKHKNTGEIVAIKKLKKESIKEKKRFLREIRILRRLSHPNIVR  60

Query:  88   YQELFITWNGEISSLYLCLVMEF-NELSFQEVIEDKRKAKKIIDSEWMQNVLGQVLDALE  146
Sbjct:  61   LIGVFEE------DDHLYLVMEYMEGGDLFDYL---RRNGLLLSEKEAKKIALQILRGLE  111

Query:  147  YLHHLDIIHRNLKPSNIILISSDHCKLQD--LSSNVLMTDKAKWNIRAEEDPFRKSWMAP  204
Sbjct:  112  YLHSRGIVHRDLKPENILLDENGTVKIADFGLARLLKSSYSKLTTFVGTPE-----YMAP  166

Query:  205  EALNFS-FSQKSDIWSLGCIILDMTSCSFMDGTEAMHLRKSLRQSPGSLKAVLKTMEEKQ  263
Sbjct:  167  EVLEGRGYSSKVDVWSLGVVLYEL-----LTGKPPFSGIDPLEELFRIIKRGLRLPLPPN  221

Query:  264  IPDVETFRNLLPLMLQIDPSDRITIKDVV-HITF  296
Sbjct:  222  CS--EELKDLIKKCLNKDPEKRPTAKEILNHPWF  253
```

FIG. 2

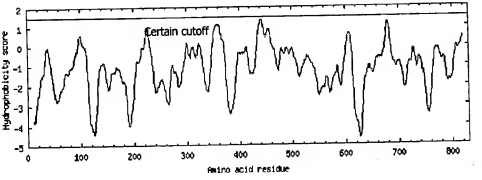
```
Query:  59   VECMDDHYASQALEELMP----LLKLRHAHISVYQELFITWNGEISSLYLCLVMEFNEL-  113
Sbjct:  32   VKTLKEDASEQQIEEFLREAKIMRKLDHPNI--VKLLGVC----TEEEPLMIVMEYMEGG  85

Query:  114  SFQEVIEDKRKAKKIIDSEWMQNVLGQVLDALEYLHHLDIIHRNLKPSNIILISSDHCKL  173
Sbjct:  86   DLLDYLRKNRP--KELSLSDLLSFALQIARGMEYLESKNFVHRDLAARNCLVGENKTVKI  143

Query:  174  QDLSSNVLMTDKAKWNIRAEEDPFRKSWMAPEALNFS-FSQKSDIWSLGCIILDMTSCSF  232
Sbjct:  144  ADFGLSRDLYSDDYYKVKGGKLPIR--WMAPESLKEGKFTSKSDVWSFGVLLWEI----F  197

Query:  233  MDGTEAMHLRKSLRQSPGSLKAVLKTMEEKQIPDVETFRNLLPLMLQI---DPSDRITIK  289
Sbjct:  198  TLGESP-YPGMSNEE----VLEYLKKGYRLPQPP-NCPDEIYDLMLQCWAEDPEDRPSFS  251

Query:  290  DVVHI  294
Sbjct:  252  ELVER  256
```

FIG. 3

```
Query: 25  MEKYQVLYQLNPGALGVNLVVEEMETKVKHVIKQVEC--MDDHYASQALEELMPLLKLRH 82
           ME+Y+VL Q+  G+ G  L+V+     K K+V+K++       D     A +E   + ++R+
Sbjct: 1   MEQYEVLEQIGKGSFGSALLVKHKHEKKKYVLKKIRLARQTDRSRRSAHQEKELISRIRN 60

Query: 83  AHISVYQELFITWNGEISSLYLCLVMEFNELSFQEVIEDKRKAKKI-IDSEWMQNVLGQV 141
             I  Y++ ++          Y+C+++ + E    ++ E  +KA  +    E +   L Q+
Sbjct: 61  PFIVEYKDSWVE-----KGCYVCIIIGYCEGG--DMAEAIKKANGVHFPEEKLCKWLVQL 113

Query: 142 LDALEYLHHLDIIHRNLKPSNIILISSDHCKLQDLS-SNVLMTDKAKWNIRAEEDPFRKS 200
           L AL+YLH    I+HR++K SNI L       +L D   + +L +D     ++          S
Sbjct: 114 LMALDYLHMNHILHRDVKCSNIFLTKGQDIRLGDFGLAKILTSDDLASSVVGT-----PS 168

Query: 201 WMAPEAL-NFSFSQKSDIWSLGCIILDMTSCSFMDGTEAMHLRKSLRQSPGSLKAVLKTM 259
           +M PE L +  +  KSDIWSLGC I +MT  S     +A  ++  + +   S+ A L T
Sbjct: 169 YMCPELLADIPYGSKSDIWSLGCCIYEMT--SLKPAFKAFDMQALINKINKSIVAPLPTK 226

Query: 260 EEKQIPDVETFRNLLPLMLQIDPSDR 285
                  FR L+  ML+ +P  R
Sbjct: 227 YSG------AFRGLVKSMLRKNPELR 246
```

FIG. 4

GES



GES		
Peak Range	**Peak Type**	**Peak Height**
100 - 101	Putative	0.577
223 - 228	Putative	0.942
351 - 365	Putative	1.110
435 - 447	Putative	1.319
451 - 458	Putative	0.881
604 - 608	Putative	0.646
676 - 682	Putative	1.216
820 - 820	Putative	0.512

FIG. 5